

Abstract

A method, system, and computer program product for automatically developing objects using a plurality of context derived models residing within a computational grid. An object meta language (OML) is used to allow a programmer to define an application. Using OML, the programmer creates a document describing the required object. The OML document is submitted to a group of context derived models residing at various computational nodes on the grid. A web service is used to parse the OML document and select the appropriate node. The OML document is provided to the selected node, which applies object description variables using a transform language. The defined object is then returned to the programmer.